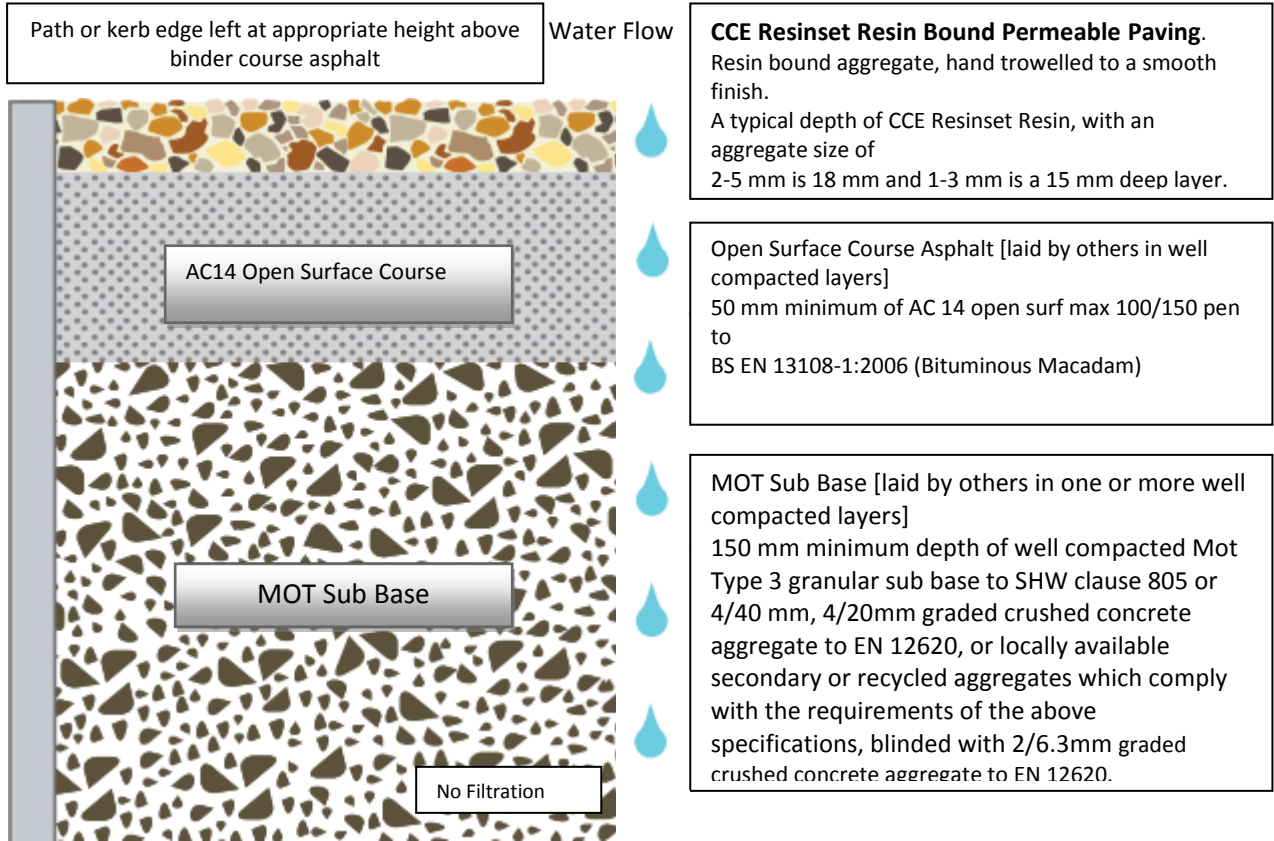


CIRENCESTER CIVIL ENGINEERING LIMITED

Specification Advice

For laying 'Resinset' permeable resin bound aggregate surfacing

Permeable Pathway – suitable for light pedestrian use (SUDS)



CCE Resinset Resin Bound Permeable Paving.
Resin bound aggregate, hand trowelled to a smooth finish.
A typical depth of CCE Resinset Resin, with an aggregate size of 2-5 mm is 18 mm and 1-3 mm is a 15 mm deep layer.

Open Surface Course Asphalt [laid by others in well compacted layers]
50 mm minimum of AC 14 open surf max 100/150 pen to BS EN 13108-1:2006 (Bituminous Macadam)

MOT Sub Base [laid by others in one or more well compacted layers]
150 mm minimum depth of well compacted Mot Type 3 granular sub base to SHW clause 805 or 4/40 mm, 4/20mm graded crushed concrete aggregate to EN 12620, or locally available secondary or recycled aggregates which comply with the requirements of the above specifications, blinded with 2/6.3mm graded crushed concrete aggregate to EN 12620.

Planning Permission for 'SUDS': CCE Resinset Resin bound paving creates an attractive, permeable and durable surface which avoids the need for planning permission under the 2008 'SUDS' Planning Order 1998 on paving of front gardens.

CCE Resinset can be overlaid onto existing Asphalt or Concrete sub-bases, of suitable construction for the traffic expected. Cracks should be enlarged if necessary and filled with a Polymer/Cement filling material.

If there is a probability of standing water, then this may soften the substrate, therefore a nominal fall to an out-fall or soak away should be considered.

Areas that could be trafficked by heavy vehicles should have layers designed according to Highways Agency requirements.

If the substrate is silty, then this may need to be stabilised or partially removed and replaced with sub-base which is in accordance with Highways Agency design manual for roads and bridge.

Total sub-base thickness will depend on expected loading, water storage capacity, and sub-base strength.

This specification is based on normal good practice for permeable resin bound surfacing.

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